# INTERNATIONAL SEARCH REPORT

International Application No PC L 03/00092

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01H85/046 H01H85/042 H01H85/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{H01H} \end{array}$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

### EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.				
US 3 041 428 A (ALEXIS SOMMERS) 26 June 1962 (1962-06-26) the whole document	1-5,11, 21,22				
US 6 002 564 A (OHTSUCHI MASASHI) 14 December 1999 (1999-12-14) the whole document	1-5				
US 3 585 556 A (HINGORANY ASHOK R ET AL) 15 June 1971 (1971-06-15) the whole document	1-5,11, 21,22				
US 3 523 264 A (FEENAN JOHN ET AL) 4 August 1970 (1970-08-04) the whole document	18				
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	US 3 041 428 A (ALEXIS SOMMERS) 26 June 1962 (1962-06-26) the whole document  US 6 002 564 A (OHTSUCHI MASASHI) 14 December 1999 (1999-12-14) the whole document  US 3 585 556 A (HINGORANY ASHOK R ET AL) 15 June 1971 (1971-06-15) the whole document  US 3 523 264 A (FEENAN JOHN ET AL) 4 August 1970 (1970-08-04)				

Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents:      A* document defining the general state of the art which is not considered to be of particular relevance      E* earlier document but published on or after the international filing date      L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)      O* document referring to an oral disclosure, use, exhibition or other means      P* document published prior to the international filing date but later than the priority date claimed	<ul> <li>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>"&amp;" document member of the same patent family</li> </ul>
Date of the actual completion of the international search 20 January 2004	Date of mailing of the international search report 29/01/2004
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  Ruppert, H

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	ion) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
	US 3 624 580 A (ELLIOTT WILLIAM JAMES) 30 November 1971 (1971-11-30) the whole document	24		
	·			

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# INTERNATIONAL SEARCH REPORT

International Application No PC 1,1 L 03/00092

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 3041428	Α	26-06-1962	NONE		
US 6002564	Α	14-12-1999	JP	10228856 A	25-08-1998
US 3585556	Α	15-06-1971	NONE		
US 3523264	A	04-08-1970	ES	352151 A1	16-06-1969
US 3624580	A	30-11-1971	CH DE FR GB	501995 A 2008453 A1 2034590 A5 1232913 A	15-01-1971 18-03-1971 11-12-1970 26-05-1971